UNITED NATIONS DEVELOPMENT PROGRAMME

UNDP

Distributed on request

DP/PROJECTS/2846
(IND/73/041)
28 February 1980

ENGLISH ONLY

APPROVAL OF UNDP ASSISTANCE TO A PROJECT OF THE GOVERNMENT OF INDIA

Applied Earth Sciences Research
(Supplementary Assistance) (IND/73/041)

Report of the Administrator*

Date of present approval:	May 1979
Starting date of project activities:	September 1977 (Including previous activities)
Planned completion date:	August 1981
To be executed by:	United Nations
Government implementing agency:	Ministry of Agriculture and Irrigation through the Central Water and Power Research Station (CWPRS), Pune
Estimated cost of assistance planned under present approval:	$ 617 400
Source of UNDP financing:	Indicative Planning Figure (IPF)

I. Background

1. Development of surface and groundwater resources ranks high in the Government of India's plans for the over-all economic development of the country. The conservation and control of water for irrigation, power and navigation require construction of dams, tunnels, power houses, etc. As convenient sites for dams and other hydraulic structures have already been utilized, greater innovation in structural form is needed to exploit the difficult sites. The structures are subject not only to heavy water pressures, but also to pressures from wind and wave action, temperature changes, shrinkage and earthquakes. The routine methods will be inadequate to design such structures which have complicated profiles and non-uniform and unsymmetrical foundations. The Central Water and Power Station at Pune has therefore embarked on undertaking intensive research in applied earth sciences.

*In accordance with General Assembly resolution 2688 (XXV) and subsequent authorizations of the UNDP Governing Council, reports are issued seriatim on the approval of UNDP assistance of $250,000 or more (including, if any, assistance financed by Government or by third-party cost sharing).

/...

2. UNDP assistance in undertaking such research was initially approved in September 1977. 1/ Supplementary assistance has now been approved to provide for the cost escalation and freight and insurance expenses of the already approved equipment.

II. Objectives and activities

3. The immediate objective of the project remains to equip the Central Water and Power Research Station at Pune with the capability to apply the most up-to-date techniques and equipment in its investigations in the field of applied earth sciences by: (a) constructing suitable buildings with special laboratories for vibration studies and tracer techniques: (b) equipping these laboratories with modern facilities both domestic and foreign: and (c) training CWPRS officials in India and abroad in the fields of vibration technology, tracer hydrology, hydrogeology and existing nucleus of disciplines. The major activities to achieve these objectives comprise: (a) an assessment of the present programme of study and planning of the project: (b) recruitment and training of counterpart technical and non-technical personnel and their orientation and initial training: (c) providing a laboratory building: (d) organizing short courses, in-service and fellowship training: (e) providing equipment specifications and procurement: and (f) utilizing international expertise in connection with the development of the Divisions.

III. Inputs

4. UNDP inputs comprise equipment, 13 fellowships and 22 man-months of consultants in the fields of vibration technology, engineering earth sciences, tracer hydrology and hydrogeology.

IV. Financial data

5. The expenditure components of the planned assistance are as follows:

	Previously approved $	Present approval $	Total approved $
Personnel	185 500	(2 200)	183 300
Training	190 900	2 200	193 100
Equipment	502 000	617 400	1 119 400
Miscellaneous	10 600	-	10 600
Total	889 000	617 400	1 506 400

6. The estimated value, expressed in US dollars, of inputs to be provided by the Government directly to the project is $ 602,100 in kind.

1/ DP/PROJECTS/1652.

- - - - -